

Serial No.:10/562,444

L33 ANSWER 40 OF 63 HCAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1995:392568 HCAPLUS Full-text  
DOCUMENT NUMBER: 122:214842  
TITLE: Sulfonium salts and polymerization initiators  
INVENTOR(S): ~~Takahashi~~, Eiji; Muramoto, Hiroo  
PATENT ASSIGNEE(S): Nippon Soda Co, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.             | KIND | DATE              | APPLICATION NO. | DATE         |
|------------------------|------|-------------------|-----------------|--------------|
| JP 06345726            | A    | 19941220          | JP 1993-168567  | 19930615 <-- |
| PRIORITY APPLN. INFO.: |      |                   | JP 1993-168567  | 19930615 <-- |
| OTHER SOURCE(S):       |      | MARPAT 122:214842 |                 |              |

ED Entered STN: 04 Mar 1995

AB Cationic polymerization initiators contain  $R_1C_6H_4S+R_2(CH_2R_3) \cdot X^-$  [ $R_1 = H$ , alkyl, halo,  $CO_2H$ , alkoxycarbonyl;  $R_2 = alkyl$ ;  $R_3 = (substituted) Ph$ , (substituted) naphthyl;  $X = SbF_6$ ,  $AsF_6$ ,  $PF_6$ ,  $BF_4$ ] and/or  $R_4C_6H_4S+R_5R_6 \cdot X^-$  ( $R_4 = H$ , alkyl, halo,  $OH$ , alkoxy,  $CO_2H$ , alkanoyl;  $R_5 = alkyl$ ;  $R_6 = alkenyl$ ,  $\alpha$ -alkylbenzyl,  $\alpha, \alpha$ -dialkylbenzyl,  $\alpha$ -phenylbenzyl, fluorenyl). ERL 4221 (alicyclic epoxy resin) was cured with  $PhCH_2S+PhMe \cdot SbF_6^-$  in propylene carbonate to show an exothermal peak in DSC at  $94^\circ$ .

IT 161887-51-0P

RL: CAT (Catalyst use); IMF (Industrial manufacture); **PREP**

(Preparation); USES (Uses)

(preparation of sulfonium salts as polymerization initiators)

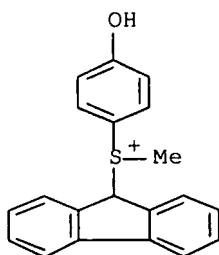
RN 161887-51-0 HCAPLUS

CN Sulfonium, 9H-fluoren-9-yl(4-hydroxyphenyl)methyl-, (OC-6-11)-hexafluoroantimonate(1-) (9CI) (CA INDEX NAME)

CM 1

CRN 161887-50-9

CMF C20 H17 O S

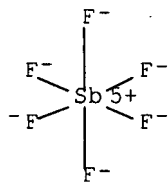


CM 2

CRN 17111-95-4

CMF F6 Sb

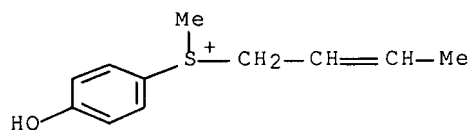
CCI CCS



IT 152334-11-7P 161887-41-8P, Methallylmethylphenylsulfonium  
 hexafluoroantimonate 161887-45-2P  
 RL: CAT (Catalyst use); SPN (Synthetic preparation); **PREP**  
**(Preparation)**; USES (Uses)  
 (preparation of sulfonium salts as polymerization initiators)  
 RN 152334-11-7 HCAPLUS  
 CN Sulfonium, 2-butenyl(4-hydroxyphenyl)methyl-, (OC-6-11)-  
 hexafluoroantimonate(1-) (9CI) (CA INDEX NAME)

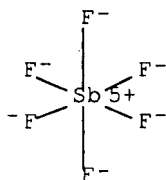
CM 1

CRN 152334-10-6  
 CMF C11 H15 O S



CM 2

CRN 17111-95-4  
 CMF F6 Sb  
 CCI CCS

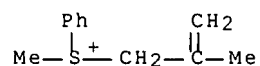


RN 161887-41-8 HCAPLUS  
 CN Sulfonium, methyl(2-methyl-2-propenyl)phenyl-, (OC-6-11)-  
 hexafluoroantimonate(1-) (9CI) (CA INDEX NAME)

CM 1

CRN 161887-40-7

CMF C11 H15 S

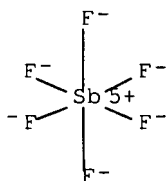


CM 2

CRN 17111-95-4

CMF F6 Sb

CCI CCS



RN 161887-45-2 HCAPLUS

CN Sulfonium, (4-hydroxyphenyl)methyl(2-methyl-2-propenyl)-, (OC-6-11)-hexafluoroantimonate(1-) (9CI) (CA INDEX NAME)

CM 1

CRN 161887-44-1

CMF C11 H15 O S

